

# Acuron GT Performance Demo

## Arlington, WI 2022

### Trial Information

Trial Sponsor(s): Syngenta

Objective: Evaluate one-pass POST application timings of Acuron GT

Crop: Corn

Hybrid: NK9653-5222-EZ1

Weed species (pressure): common ragweed (moderate)  
common lambsquarters (moderate)  
giant foxtail (high-very high)  
woolly cupgrass (low-moderate)

Herbicide Application(s): EPOST – 5/19 (V1 corn)

MPOST – 5/27 (V2/V3 corn)

POST – 6/2 (V4 corn)

For the full report see trial #22-ARL-CN04 in the [2022 Wisconsin Weed Science Research Report](#)



**Cropping Systems Weed Science**  
UNIVERSITY OF WISCONSIN-MADISON

**syngenta**

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Trt #	Herbicide (rate acre <sup>-1</sup> )	Common Ragweed (%)				Lambsquarters (%)				Annual Grasses <sup>c</sup> (%)				Yield <sup>b</sup> bu acre <sup>-1</sup>	
		6/2	6/15	6/30	10/20	6/2	6/15	6/30	10/20	6/2	6/15	6/30	10/20		
1	Untreated Check	0	0	0	0	0	0	0	0	0	0	0	0	63 b	
<b>One-Pass – EPOST (5/19)</b>															
2	Acuron GT (3.75 pt) + NIS (0.25% v/v) + AMS (2.5% v/v)	100	99	100	100	100	100	100	100	97	98	86	88	226 a	
3	Acuron Flexi (2 qt) + Roundup PM3 (25 oz) + AMS (2.5% v/v)	100	99	100	100	100	100	100	100	97	98	89	91	214 a	
4	Capreno (3 oz) + Roundup PM3 (25 oz) + AMS (2.5% v/v)	100	99	98	100	100	100	100	100	93	88	69	76	210 a	
<b>One-Pass – MPOST (5/27)</b>															
5	Acuron GT (3.75 pt) + NIS (0.25% v/v) + AMS (2.5% v/v)	98	99	100	100	100	100	100	100	97	94	84	86	222 a	
6	Halex GT (3.8 pt) + NIS (0.25% v/v) + AMS (2.5% v/v)	98	99	100	100	100	100	100	100	97	96	78	83	217 a	
7	Harness Max (40 oz)+Roundup PM3 (25 oz) +AMS (2.5% v/v)	99	100	100	100	100	100	100	100	98	99	82	84	217 a	
8	Resicore (1.25 qt) + Roundup PM3 (25 oz) + AMS (2.5% v/v)	99	100	100	100	100	100	100	100	97	97	82	85	227 a	
<b>One-Pass – LPOST (6/2)</b>		<b>LPOST</b>				<b>LPOST</b>				<b>LPOST</b>					
9	Acuron GT (3.75 pt) + NIS (0.25% v/v) + AMS (2.5% v/v)	0	100	100	100	0	100	100	100	0	98	84	92	228 a	
10	Status (5 oz) + Roundup PM3 (25 oz) + AMS (2.5% v/v)	0	100	93	100	0	99	91	99	0	97	68	79	217 a	
		<b>LSD (<math>\alpha=0.10</math>)</b>	<b>1</b>	<b>ns</b>	<b>4</b>	<b>ns</b>	<b>ns</b>	<b>0.5</b>	<b>3</b>	<b>0.5</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>5</b>	<b>31</b>
		<b>p value</b>	<b>&lt;.001</b>	<b>0.650</b>	<b>0.032</b>	<b>0.461</b>	<b>0.562</b>	<b>&lt;.001</b>	<b>&lt;.001</b>	<b>0.018</b>	<b>0.002</b>	<b>&lt;.001</b>	<b>&lt;.001</b>	<b>&lt;.001</b>	

<sup>a</sup>Visual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

<sup>b</sup>Yield values with the same letter are not significantly different.

<sup>c</sup>Annual grass species in the trial consisted of giant foxtail (predominant species) and woolly cupgrass.

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## Arlington, WI 2022

Plot picture taken on 5/19  
The day of the EPOST (A) application



# Acuron GT Performance Demo

## Arlington, WI 2022

Plot picture taken on 5/26

1 day before the MPOST (B) application



# Acuron GT Performance Demo

## Arlington, WI 2022

Plot picture taken on 6/2  
The day of the LPOST (C) application



# Acuron GT Performance Demo

## Arlington, WI 2022

Plot pictures taken on 6/2

14 days after the EPOST application  
6 days after the MPOST application

The number in the upper right-hand corner is the average % annual grass control of 4 replications

**34 days after planting (6/2)**

**Untreated Check**

**0%**



14 days after EPOST (6/2)

EPOST: 3.75 pt Acuron GT + 0.25% NIS + 2.5% AMS

97%



14 days after EPOST (6/2)

EPOST: 2 qt Acuron Flexi + 25 fl oz Roundup PM3 + 2.5% AMS

97%



14 days after EPOST (6/2)

EPOST: 3 fl oz Capreno + 25 fl oz Roundup PM3 + 2.5% AMS

93%



6 days after MPOST (6/2)

MPOST: 3.75 pt Acuron GT + 0.25% NIS + 2.5% AMS

97%



6 days after MPOST (6/2)

97%

MPOST: 3.8 pt Halex GT + 0.25% NIS + 2.5% AMS



6 days after MPOST (6/2)

MPOST: 40 fl oz Harness Max + 25 fl oz Roundup PM3 + 2.5% AMS

98%



6 days after MPOST (6/2)

MPOST: 1.25 qt Resicore + 25 fl oz Roundup PM3 + 2.5% AMS

97%



# Acuron GT Performance Demo

## Arlington, WI 2022

Plot pictures taken on 6/15

27 days after the EPOST application

19 days after the MPOST application

13 days after the LPOST application

The number in the upper right-hand corner is the  
average % annual grass control of 4 replications

**47 days after planting (6/15)**

**0%**

**Untreated Check**



27 days after EPOST (6/15)

EPOST: 3.75 pt Acuron GT + 0.25% NIS + 2.5% AMS

98%



27 days after EPOST (6/15)

EPOST: 2 qt Acuron Flexi + 25 fl oz Roundup PM3 + 2.5% AMS

98%



27 days after EPOST (6/15)

EPOST: 3 fl oz Capreno + 25 fl oz Roundup PM3 + 2.5% AMS

88%



19 days after MPOST (6/15)

MPOST: 3.75 pt Acuron GT + 0.25% NIS + 2.5% AMS

94%



19 days after MPOST (6/15)

MPOST: 3.8 pt Halex GT + 0.25% NIS + 2.5% AMS

96%



19 days after MPOST (6/15)

MPOST: 40 fl oz Harness Max + 25 fl oz Roundup PM3 + 2.5% AMS

99%



19 days after MPOST (6/15)

MPOST: 1.25 qt Resicore + 25 fl oz Roundup PM3 + 2.5% AMS

97%



13 days after LPOST (6/15)

98%

LPOST: 3.75 pt Acuron GT + 0.25% NIS + 2.5% AMS



13 days after LPOST (6/15)

97%

LPOST: 5 oz Status + 25 fl oz Roundup PM3 + 2.5% AMS



# Acuron GT Performance Demo

## Arlington, WI 2022

Plot pictures taken on 6/30

42 days after the EPOST application

34 days after the MPOST application

28 days after the LPOST application

The number in the upper right-hand corner is the  
average % annual grass control of 4 replications

**62 days after planting (6/30)**

**0%**

**Untreated Check**



42 days after EPOST (6/30)

EPOST: 3.75 pt Acuron GT + 0.25% NIS + 2.5% AMS

86%



42 days after EPOST (6/30)

EPOST: 2 qt Acuron Flexi + 25 fl oz Roundup PM3 + 2.5% AMS

89%



42 days after EPOST (6/30)

EPOST: 3 fl oz Capreno + 25 fl oz Roundup PM3 + 2.5% AMS

69%



34 days after MPOST (6/30)

MPOST: 3.75 pt Acuron GT + 0.25% NIS + 2.5% AMS

84%



34 days after MPOST (6/30)

78%

MPOST: 3.8 pt Halex GT + 0.25% NIS + 2.5% AMS



34 days after MPOST (6/30)

82%

MPOST: 40 fl oz Harness Max + 25 fl oz Roundup PM3 + 2.5% AMS



34 days after MPOST (6/30)

82%

MPOST: 1.25 qt Resicore + 25 fl oz Roundup PM3 + 2.5% AMS



**28 days after LPOST (6/30)**

**LPOST: 3.75 pt Acuron GT + 0.25% NIS + 2.5% AMS**

**84%**



**28 days after LPOST (6/30)**

**LPOST: 5 oz Status + 25 fl oz Roundup PM3 + 2.5% AMS**

**68%**

